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|---|------|-----|------|---|--|---------------------|----------|
| 1 | BRS | L3 | 9 | summariz\$6 same (video or image\$1 or data) same (similarit\$3 near3 matrix) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:39 | |
| 2 | BRS | L4 | 146 | (similarit\$3 near3 matrix) same factor\$6 | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:43 | |
| 3 | BRS | L5 | 98 | 4 same (sequence\$1 or ordered or ordering) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:40 | |

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|---|------|-----|------|---|--|---------------------|----------|
| 4 | BRS | L6 | 43 | 5 same (segment\$6 or decompos\$4 or partition\$4 or divid\$3 or pars\$3) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:41 | |
| 5 | BRS | L7 | 2 | 6 same (summar\$7 or organiz\$3) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:41 | |
| 6 | BRS | L8 | 2 | 6 and (summarizng or summarization) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:41 | |

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|---|------|-----|------|---|--|---------------------|----------|
| 7 | BRS | L9 | 7 | (similarit\$3 near3 matrix) same (video or multimedia) same summar\$7 | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:45 | |
| 8 | BRS | L10 | 7 | (similarit\$3 near3 (matrice\$1 or matrix\$2)) same vector\$1 same (skim\$5 or summary or summariz\$6) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:46 | |
| 9 | BRS | L11 | 1190 | (similarit\$3 near3 (matrice\$1 or matrix\$2)) same (video or ordered or ordering or sequence\$1) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:47 | |

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|----|------|-----|------|---|--|---------------------|----------|
| 10 | BRS | L12 | 27 | l1 and ((creat\$4 or generat\$4 or construct\$3 or build\$3) near5 (summary or summariz\$6)) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:52 | |
| 11 | BRS | L13 | 39 | (video near5 (summary or summariz\$6)) same matrix | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 11:52 | |
| 12 | BRS | L14 | 6 | l3 same (match\$4 or similarit\$3) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2007/08/18 12:24 | |
| 13 | IS&R | L15 | 3797 | (382/173,209,224,305).CCLS. | US- PGPUB; USPAT | 2007/08/18 12:26 | |

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|----|------|-----|------|--|------------------------|---------------------|----------|
| 14 | BRS | L17 | 6 | ((text\$1 or news or article\$1 or video or music or audio or metadata or multi-media or multimedia) near5 summar\$6) same ((match\$4 or similarit\$3) near5 (matrice\$1 or matrix)) | US- PGPUB; USPAT | 2007/08/18 12:35 | |
| 15 | BRS | L18 | 0 | 6 and 15 | US- PGPUB; USPAT | 2007/08/18 12:35 | |
| 16 | BRS | L19 | 1083 | video near2 summar\$7 | US- PGPUB; USPAT | 2007/08/18 12:35 | |
| 17 | BRS | L20 | 1 | 19 same (similarit\$3 near5 matrix) | US- PGPUB; USPAT | 2007/08/18 13:43 | |
| 18 | BRS | L21 | 22 | 19 and (similarit\$3 near5 matrix) | US- PGPUB; USPAT | 2007/08/18 12:37 | |
| 19 | BRS | L23 | 1 | 21 and 22 | US- PGPUB; USPAT | 2007/08/18 12:38 | |
| 20 | BRS | L22 | 27 | similarit\$3 near5 matrix near10 factor\$6 | US- PGPUB; USPAT | 2007/08/18 12:42 | |
| 21 | BRS | L24 | 2 | similarit\$3 same (probabil\$5 near3 matrix near7 factor\$6) | US- PGPUB; USPAT | 2007/08/18 12:45 | |

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|----|------|-----|------|---|------------------------|---------------------|----------|
| 22 | BRS | L25 | 23 | factor\$7 near10 (similarity near3 matrix) | US- PGPUB; USPAT | 2007/08/18 12:49 | |
| 23 | BRS | L26 | 20 | 21 and parameter\$6 | US- PGPUB; USPAT | 2007/08/18 12:50 | |
| 24 | BRS | L28 | 11 | 27 and (histogram\$4 or ortho-normal or orthonormal or sentence\$1 or paragaph\$1 or meta-data or metadata or (term near1 frequency)) | US- PGPUB; USPAT | 2007/08/18 12:55 | |
| 25 | BRS | L27 | 12 | 26 and ((stft near1 fourier) or (mel-frequency near1 cepstral) or spectrogram\$3 or (fast near1 fourier) or (wavelet near3 decompos\$6)) | US- PGPUB; USPAT | 2007/08/18 12:55 | |
| 26 | BRS | L29 | 1 | "20060280365".pn. | US- PGPUB; USPAT | 2007/08/18 13:43 | |
| 27 | BRS | L30 | 0 | 29 and factor\$6 | US- PGPUB; USPAT | 2007/08/18 13:44 | |
| 28 | BRS | L31 | 13 | non-negative near2 matrix near2 factor\$6 | US- PGPUB; USPAT | 2007/08/18 13:46 | |
| 29 | BRS | L32 | 0 | probability same factoriz\$6 same (similarit\$3 near3 matrix) | US- PGPUB; USPAT | 2007/08/18 13:47 | |

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|----|------|-----|------|--|------------------------|---------------------|----------|
| 30 | BRS | L33 | 1 | probabili\$6 same factoriz\$6 same (similarit\$3 near3 matrix) | US- PGPUB; USPAT | 2007/08/18 14:05 | |
| 31 | BRS | L34 | 1 | "20040073554".pn. | US- PGPUB; USPAT | 2007/08/18 14:05 | |
| 32 | BRS | L35 | 1 | 34 and non-negative | US- PGPUB; USPAT | 2007/08/18 14:23 | |
| 33 | BRS | L36 | 1 | "6907427".pn. | US- PGPUB; USPAT | 2007/08/18 15:13 | |
| 34 | BRS | L37 | 145 | (similarit\$3 near3 matrix) same factor\$6 | US- PGPUB; USPAT | 2007/08/18 15:14 | |
| 35 | BRS | L38 | 4 | 37 same (likelihood or probab\$6) | US- PGPUB; USPAT | 2007/08/18 15:14 | |
| 36 | BRS | L39 | 7 | 37 and ((text\$1 or video or audio) near3 (summar\$6 or classif\$6 or segment\$6)) | US- PGPUB; USPAT | 2007/08/18 15:17 | |
| 37 | BRS | L40 | 364 | matrix near1 factoriz\$6 | US- PGPUB; USPAT | 2007/08/18 15:17 | |
| 38 | BRS | L41 | 9 | 40 same similarit\$3 | US- PGPUB; USPAT | 2007/08/18 15:17 | |

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summarization system based on removal of. **similar** frames and the ... at eliminating **similar** frames by a process of The whole **video** is represented. by a set of vectors, i.e. a **matrix** of $n \times 1125$...

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for **video summarization** which can efficiently generate a set of representative ... requiring insertions and deletions of the cluster dissimilarity **matrix**, ... is **similar** to s_j . $N(i)$ may be $\{s \dots$

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Some view the **summarization** process as one where the objective is to. remove redundant scenes or shots from the original document. In [71], a self. **similarity matrix** of **video** features is employed ...

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based on their visual **similarity**. An important missing **matrix** whose columns are called left singular vectors the basis of our **video summarization** system (See the ...

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We provide the number of classes and the **similarity matrix** to the algorithm. Z.

Cernekova, I. Pitas and C. Nikou, "Information theory-based shot cut/fade detection and **video summarization**", ...

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